

## SP3T Coaxial Switches

R13-SN12018-D, Coaxial Switches , 1P3T , SMA , Normally open , 12VDC , DC to 18 GHz , DSUB-15  
 R13-SN24018-D, Coaxial Switches , 1P3T , SMA , Normally open , 24VDC , DC to 18 GHz , DSUB-15  
 R13-SN28018-D, Coaxial Switches , 1P3T , SMA , Normally open , 28VDC , DC to 18 GHz , DSUB-15

### 电气参数 Electrical Characteristics:

参数Parameter	条件Condition
频率范围 Frequency range	DC-18GHz
阻抗 Impedance	50 Ω
开关模式 Operation mode	Normally open
开关顺序 Switch sequence	Break before make
切换时间 Switching time	15 ms max
机械寿命 Mechanical life	1 million min
额定电压 Rated voltage	12      24      28 VDC
工作电流 Operating current at 23 °C	290    150    140 mA



### 射频特性 RF Specifications:

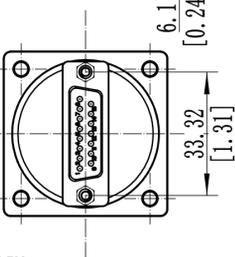
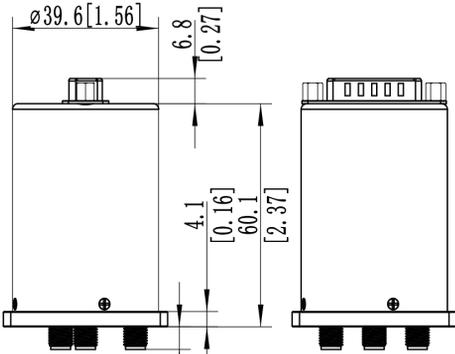
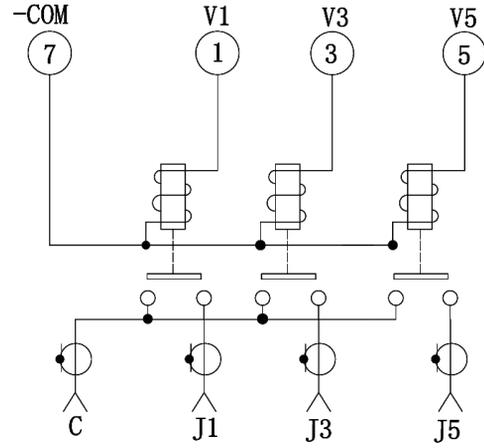
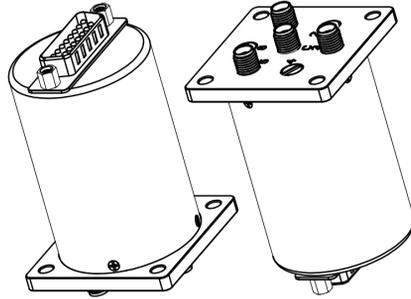
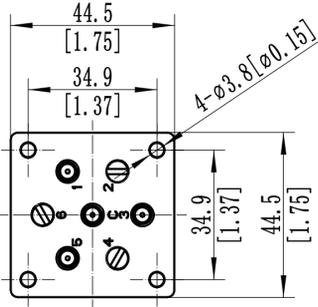
频率范围 FREQUENCY RANGE(GHz)	DC-6	6-12	12-18
插入损耗INSERTION LOSS (MAX) dB	0.3	0.4	0.5
隔离度 ISOLATION (MIN) dB	70	60	60
电压驻波比 V.S.W.R. (MAX)	1.3:1	1.4:1	1.5:1

### 环境和物理特性 Environmental And Physical Characteristics:

参数Parameter	条件 Condition
工作温度范围 Operating temperature range	-25°C to +65°C(Standard ) -55°C to +85°C(Optional)
振动 Sine vibration(Operating)	20-2000Hz , 10g
冲击 Shocks(Non Operating)	50g / 11ms, ½ sine
射频接口 RF Connector type	SMA Female

**外形尺寸 Outline Drawing:** Unit: mm

**原理图 Schematic:**



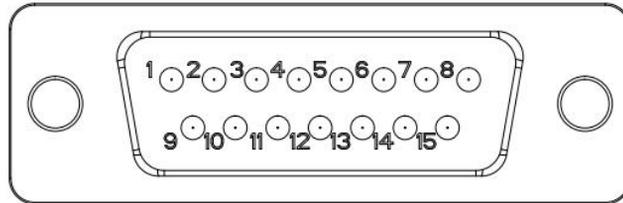
DSUB-15M

**功率曲线图 Average power:**

This graph is based on the following conditions:

- Ambient temperature: + 25 °C
- Sea level
- V.S.W.R.: 1 and cold switching

## 针脚定义 Pin Definition:



15 PIN D-SUB		RF Connect Used
Pin NO.	Function	SP3T
1	V1	1
2	UNUSED	
3	V3	3
4	UNUSED	
5	V5	5
6	UNUSED	
7	-COM	
8-15	UNUSED	

## 标准型号 Part Number:

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1P3T

R13-SN12018-D

额定电压  
Rated Voltage

12VDC

可选项 Option

-S